

# Shadrack Ankomahene

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## SUMMARY

Experienced and dedicated software engineer with six years of professional experience. Proficient in JavaScript, React, Next.js, Angular, TypeScript, and Node.js.

Passionate about problem-solving and driven by excellence, I bring a wealth of expertise to any software development team.

## EXPERIENCE

### SOFTWARE ENGINEER, Morgan Stanley

*Feb 2020 - Dec 2024*

- Implemented tooling to deploy and manage APIs in Microsoft Azure. Supported workflows to manage API policies, semantic versioning, and validation of OpenAPI specifications.
- Implemented usage dashboard to monitor client's usage of APIs to create further business opportunities. Dashboard features include flexible layouts, interactive charts, and functionality to slice data by client, application, and HTTP response codes. Usage data was pulled from Azure Application Insights.
- Enhanced UI performance by implementing optimization techniques to reduce the number of HTTP requests made by the application. Implemented caching mechanisms to efficiently store and retrieve frequently accessed data, resulting in improved responsiveness and faster loading times for users.
- Developed and implemented a user-friendly self-service tool to streamline the deployment process for APIs and facilitate the validation of Open API specifications, reducing API deployment time by 40% and empowering developers to deploy with ease and accuracy.
- Actively contributed to inner-source libraries written in Angular and Typescript, leveraging my expertise to enhance the functionality and maintainability of these shared codebases.
- Played a key role in improving the efficiency of the CI/CD process by optimizing project pipelines and implementing parallel builds. This significantly reduced build time by 60%, leading to enhanced productivity and faster delivery of software releases.
- Maintained 95%+ test coverage across projects.
- Designed and implemented an API marketplace using React.js and Typescript, enhancing user interaction through intuitive navigation, real-time data updates, and responsive design, resulting in a 25% increase in user engagement.

### SOFTWARE ENGINEER, Turntabl Ghana Limited

*Oct 2019 - Dec 2024*

- Developed a robust ETL tool using Python to efficiently process over 7GB of JSON files from the AWS data lake. Implemented a streaming mechanism to convert the files into Optimized Row Columnar (ORC) format, and successfully uploaded them to another S3 bucket using AWS Batch with EC2 instances. These ORC files were instrumental in generating personalized suggestions for users in subsequent service usage.
- Managed a team of three developers, overseeing multiple projects and ensuring efficient assignment of tasks. Conducted code reviews to maintain code quality and adherence to best practices.
- Trained over 50 new hires, improving their proficiency in frontend technologies by 40% as measured by internal assessments. Topics covered in this training included JavaScript, Angular, React, HTML, CSS, TypeScript, and other relevant technologies.
- Organized and facilitated React.js masterclasses for frontend engineers within the firm, delivering valuable insights and hands-on learning opportunities in advanced React.js techniques and best practices.
- Mentored two junior frontend engineers within the company, providing guidance on technical challenges and best practices in frontend development, leveraging my advanced expertise and seniority to foster their professional growth and skill development.

## PROJECTS

### Some of my projects include

- Ecommerce Store ([fmtdesignprint.com](http://fmtdesignprint.com))
- Dronehub Platform ([dronehubgh.com](http://dronehubgh.com))
- iSmart NGO Website ([theismart.org](http://theismart.org))
- FMT ([fmtsoftware.com](http://fmtsoftware.com))
- AIG ([aigcorp.net](http://aigcorp.net))
- Smart Church Management System ([thechurchhub360.com](http://thechurchhub360.com))

### Other personal projects

- AI-Powered Place Finder ([placiagh.netlify.app](http://placiagh.netlify.app))
- Project manager app with Kanban Board ([projex-plum.vercel.app](http://projex-plum.vercel.app))
- TradingPlatform ([ms-tradesim.netlify.app](http://ms-tradesim.netlify.app))
- CaseCanvas ([case-canvas-one.vercel.app](http://case-canvas-one.vercel.app))
- Multi-tenant business platform ([vendora.vercel.app](http://vendora.vercel.app))

For more projects and details,  
visit [mrshadrack.com](http://mrshadrack.com)

## EDUCATION

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**Bachelor of Education**, Computing and Mathematics  
UNIVERSITY OF CAPE COAST

*Aug 2015 - May 2019*

## SKILLS

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**Frontend:** HTML, CSS, JavaScript, TypeScript, React, Next.js, Redux, React Query, Angular, RxJS, Sass/SCSS, Tailwind CSS, ShadCN, Material-UI, Bootstrap.

**Backend:** Java, Python, Nodejs/Express, Typescript, Nest.js

**Databases and storage:** Postgres, MySQL, Firebase, Supabase, Appwrite, MongoDB, Airtable, CouchDB, S3, Cloudinary, Cloudflare R2, Backblaze B2.

**CMS:** Sanity, Contentful, Strapi

**APIs and microservices:** REST, GraphQL, Spring Boot

**Project Management:** Git, Jira, Agile

**Testing:** Jasmine, Karma, Cypress, Jest, React Testing Library

**Others:** AWS, Azure, Jenkins, Heroku, Travis CI, GitHub Actions, CI/CD, Vercel, Netlify, Render, Railway.